

METHODS OF MEASURING THE DIFFUSION RATE AND
PARTITION COEFFICIENT OF AN ANALYTE INTO A POLYMER
AND METHODS OF FORMING A FILTER MEDIA

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ABSTRACT OF THE DISCLOSURE

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A method of determining the diffusion rate of a given analyte into a polymer film using an optical waveguide interferometer is disclosed. A method of forming a filter media by selecting a polymer for the sorbent system of the filter media based on the diffusion rate of a given analyte into a given polymer as measured by an optical waveguide interferometer is further disclosed.

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